This Track 1 Decision Document is marked "Draft" but is a final document signed by the agencies.

\_\_\_\_\_ date <u>5/27/2</u>002

DOE/ID-10912 July 2001

## RECEIVED

SEP 0 4 2001

DEPT. OF ENVIRONMENTAL QUALITY TECHNICAL SERVICES OFFICE

Site 007 Track 1 Decision Documentation Package, OU 10-08

## DECISION DOCUMENTATION PACKAGE COVER SHEET

Prepared in accordance with

# TRACK 1 SITES: GUIDANCE FOR ASSESSING LOW PROBABILITY HAZARD SITES AT THE INEEL

Site Description: Debris Near Cinder Pit on the INEEL Southern Border

Site ID: 007 Operable Unit: 10-08

Waste Area Group: 10

#### I. SUMMARY – Physical description of the site:

Site 007 appears to be an early homestead/domestic dumpsite that may be a significant historical archaeological resource. Site 007 is located fifteen feet to the north of Road T-18 approximately 1/2 mile from the Cinder Pit north of Atomic City. Surface debris includes empty rusted cans, miscellaneous pieces of rusted metal, soda bottles, broken glass, empty 5-gallon galvanized bucket, and weathered wood. Based on the location, it is likely that it was used as a trash dump for domestic waste. The groundcover is not disturbed in these areas, reflecting established sagebrush and native grasses.

Site 007 was listed as part of an environmental baseline assessment in 1994 and identified as a potential new waste site in 1995. In accordance with Management Control Procedure-3448, Reporting or Disturbance of Suspected Inactive Waste Sites, a new site identification form was completed for this site. As part of the process, a field team wrote a site description, and collected photographs and global positioning system (GPS) coordinates for the site (E322142.939 by N652964.538). The GPS coordinate system was listed as North American Datum 27, Idaho East Zone, State Plane Coordinates. The new site identification process also included a search and review of existing historical documentation.

Investigations revealed that Site 007 was likely a historic homestead domestic dumpsite, and is considered by the Idaho State Historic Preservation Office (SHPO) to be a significant historical/archaeological resource. The artifacts are estimated to be from 1930-1940 timeframe. The site could be related to a nearby homestead. Scattered artifacts include empty rusted cans, miscellaneous pieces of rusted metal, discarded cookware, a soda bottle, broken glass, an empty 5-galion galvanized bucket, and weathered wood. The weathered debris is spread over a 3 ft by 5 ft area. The INEEL Cultural Resources personnel confirmed that the artifacts are very old and predate World War II activities.

There is no visual evidence of hazardous constituents, nor evidence that waste has recently been disposed of at this site. There is no evidence of disturbed vegetation, or stained or discolored soil. The ground surface shows well-established native grasses and sagebrush. The description of the site conditions are based on recent site investigations and INEEL Cultural Resource research; no field screening or sample data exist for this site.

#### **DECISION RECOMMENDATION**

#### II. SUMMARY - Qualitative Assessment of Risk:

There is no evidence that a source of contamination exists at this site, nor is there empirical, circumstantial, or other evidence of contaminant migration. The reliability of information provided in this report is high. Field investigations, interviews with Cultural Resource personnel, and photographs revealed no visual evidence of hazardous substances that may present a danger to human health or the environment. Vegetation appears to be well established. Therefore, the overall qualitative risk is considered to be low.

#### III. SUMMARY - Consequences of Error:

#### False negative error:

The possibility of contaminant levels at this site being above risk-based limits is remote. Field surveys and visual observations of the debris and surface soil showed no evidence of hazard constituents, stained soil, odors, loss of vegetation, fibrous materials, or other indications of contamination.

#### False positive error:

If further action were completed at this low risk site, funds could exceed the environmental benefit. Surface soil sampling and analysis for organic compounds, metals, radionuclides and other hazardous constituents would be needed to confirm the presence or absence of contamination. Based on existing information, there is no need for further action at this site.

#### IV. SUMMARY - Other Decision Drivers:

INEEL Cultural Resource personnel determined that this site meets the requirements of a cultural or historical resource. Prior to completing any further action at this site, an intensive pedestrian inventory would need to be conducted. This survey would be required to identify and evaluate cultural properties within the area for potential effects from cleanup activities; conduct a preliminary assessment of the potential impact of cleanup on identified properties; and develop preliminary avoidance strategies or data recovery plans to avoid adverse effects.

#### Recommended Action:

It is recommended that this newly identified site be classified as No Further Action. Field investigations, interviews with personnel having historical knowledge of this area, and photographs indicate it is highly unlikely that hazardous or radioactive materials were generated or disposed of at this site. It is located in a remote, abandoned area with no viable pathways or receptors. There is nothing present at this site that would indicate evidence of contaminant migration, or historical or threatened release of hazardous substances, pollutants or contaminants. This site is similar to several other historical sites across the INEEL that were either homesteads or stage crossings containing domestic or agricultural waste that does not pose a potential risk to human health or the environment.

Signatures:	# Pages:	16	Date: July 17	2001	. 1	
Prepared By: Marilyn Paarmann, WP		DOE W	AG Manager:	Men	Nexs	du
Approved By:		Indepe	ndent Review:		4/	

<b>DECIS</b>	ION:	STA	TE	MEN	<b>1</b> T
(	DOE	<b>RP</b>	M)		

Date Received: 3/18/02

Disposition:

The domestic waste located at site ODT shows no evidence of industrial chemicals. No remedial action is required

Date:	4/02/02		# Pages:	/	
Name:	Kathleen	Hain	Signature:	Yathleen	E Hain

	STATEMENT RPM)
Date Received: 9/4/0/	10-68-607
Disposition:  Photographic evident dump site not locate sites or operations. I other than solid waste further remedial inve	ce supports a solid was to I near any Known hazardous here is no basis to assum is present. Therefore, no stigation appears necessary
Date: 9/20/0/	# Pages:
Name: Ware House	Signature:

## **DECISION STATEMENT** (IDEQ RPM) September 4, 2001 **Date Received:** Disposition: Site #007 Site #007 is a domestic/homestead dumpsite located northwest of Atomic City. Debris in the dump are estimated to be of the 1930-1940 time frame and include items such as rusted metal and discarded cookware. There is no evidence that hazardous constituents or waste have been recently disposed at this site and there is a lack of stained or discolored soils. The state concurs this is a no further action site. Date: # Pages: Signature: ( ) seem g. M.

PROCESS/WA SITE ID: 007	PROCESS/WASTE WORKSHEET PROCES: SITE ID: 007	OCESS: Debris near Cinder Pit on the INEEL Southern Border
Col 1 Processes Associated With This Site	Col 2 Waste Description & Handling Procedures	Col 3 Description & Location of any Artifacts/Structures/Disposal Areas Associated with this Waste or Process
Debris left from a nearby homestead.	Small domestic refuse pile-likely abandoned from a former homestead site.	Artifact: Domestic Debris
		Location: Located 15 feet to the north of Road T-18 approximately ¼ mile from the Cinder Pit north of Atomic City.
		Description:
		Surface debris includes empty rusted cans, miscellaneous pieces of rusted metal, soda bottles, broken glass, an empty 5-gallon galvanized bucket, and weathered wood.

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	e pile	Col 9 Overall Reliability (high/med/low)	Col 9 Overall Reliability (high/med/low) High			
	WASTE: (Col 2) Domestic refuse pile	Col 8 Qualitative Risk Assessment (hi/med/low)				
	TE: (Col 2) Do	Col 7 Risk-based	Col 7 Risk-based Concentration			
		l 6 own/Estimate ncentration c zardous ostances/	n/Estimated entration of dous ances/ ituents			
CONTAMINANT WORKSHEET SITE ID: 007 PROCESS: (Col 1) Debris Near Cinder Pit on the INEEL Southern Border	Col 5 Potential Sources Associated with this Hazardous Material	Col 5 Potential Sources Associated with this Hazardous Material Soil				
CONTAMINANT WORKSHEET	SITE ID: 007 PROCESS: (Col 1) Debris Near Cinder	Col 4 What Known/Potential Hazardous Substance/Constituents are Associated with this Waste or Process?	Col 4 What Known/Potential Hazardous Substance/Constituents are Associated with this Waste or Process? None			

Question 1.	What are the waste	generation processes,	locations, an	nd dates of operation	n associated
with this sit	e?			•	

Site 007 was confirmed by INEEL Cultural Resources as a domestic refuse pile located north of Road T-18 approximately ¼ mile from the Cinder Pit north of Atomic City on the southern border of the INEEL. Interviews with INEEL Cultural Resources personnel revealed that the debris is domestic in nature, from the 1930-1940 timeframe and predates INEEL activities.

Block 2 How reliable are the information sources? \_X\_High \_Med \_Low (check one) Explain the reasoning behind this evaluation.

Interviews with INEEL Cultural Resource and Environmental Restoration Environmental Safety and Health (ER ES&H) personnel revealed that the site is a historic, homestead refuse pile, domestic in nature, and poses no potential risk.

Block 3 Has this INFORMATION been confirmed?\_X Yes \_\_No (check one) If so, describe the confirmation.

This was confirmed by interviews, and photographs of the artifacts.

No available information	[]	Analytical data	[]
Anecdotal	[X] 2,5	Documentation about data	ij
Historical process data		Disposal data	ij
Current process data	Ĭ Ì	Q.A. data	Ü
Photographs	[X] 3	Safety analysis report	ĪĪ
Engineering/site drawings	ĪĪ	D&D report	ĪĪ
Unusual Occurrence Repor	t[]	Initial assessment	[X] 4
Summary documents	ĨĨ	Well data	Ū
Facility SOPs	ij	Construction data	ĬĬ
OTHER	ii		

Question	2. What are the	disposal processes	, locations, and	d dates of operation	n associated with this
site? Hov	v was the waste	disposed?			

This historical refuse pile is located 15 feet to the north of Road T-18 approximately ¼ mile from the Cinder Pit north of Atomic City. Site investigations reveal that the debris pile consists of empty rusted cans, miscellaneous pieces of rusted metal, soda bottles, broken glass, an empty 5-gallon galvanized bucket, and weathered wood. The artifacts are considered domestic in nature and likely abandoned by homesteaders in 1930-1940's.

Block 2 How reliable are the information sources? X High \_\_Med \_Low (check one) Explain the reasoning behind this evaluation.

Interviews were conducted with INEEL Cultural Resources personnel confirming the age and historical value of this debris.

Block 3 Has this INFORMATION been confirmed? XYes \_\_ No (check one) If so, describe the confirmation.

Interviews were conducted with ER ES&H personnel during a 1994 environmental assessment. In addition, interviews conducted with INEEL Cultural Resource personnel confirm that cultural artifacts found at this site predate World War II and are not related to INEEL activities. Photographs confirm the location types of debris present at the site.

No available information	[]	Analytical data	[]
Anecdotal	[X] 2,5	Documentation about data	ΪĪ
Historical process data		Disposal data	ĨÌ
Current process data	Ü	Q.A. data	ĪĪ
Photographs	[X] 3	Safety analysis report	ij
Engineering/site drawings	<u>[</u> ]	D&D report	ĪĪ
Unusual Occurrence Repor	t[j	Initial assessment	[X] 4
Summary documents	ĪĪ	Well data	[]
Facility SOPs	ĪĪ	Construction data	Ī
OTHER	ĪĪ		

Question 3.	Is there evidence that a s	source exists at this site?	If so, list the sources and	describe
the evidence	e.			

There is no evidence that a source exists at Site 007. There is no evidence of hazardous constituents, disturbed vegetation, stained or discolored soil, or odors. The debris has been identified as being very old, domestic in nature likely abandoned by early homesteaders or travelers, and predates INEEL activities.

Block 2 How reliable are the information sources? XHigh \_\_ Med \_Low (check one) Explain the reasoning behind this evaluation.

Interviews with INEEL Cultural Resource personnel revealed that this is a recorded historical/cultural refuse site, the artifacts are domestic in nature, predate INEEL activities and pose no potential threat to human health or the environment.

Block 3 Has this information been confirmed?\_X Yes \_\_ No (check one) If so, describe the confirmation.

This was confirmed by interviews with INEEL Cultural Resource personnel, the environmental baseline assessment, walk through surveys, and photographs.

	No available information	11	Analytical data	[1
	Anecdotal	[X] 2,5	Documentation about data	ij
	Historical process data	[]	Disposal data	[]
I	Current process data	ij	Q.A. data	[]
	Photographs	[X] 3	Safety analysis report	[]
	Engineering/site drawings	Ĭ.	D&D report	[]
	Unusual Occurrence Report	ŧįj	Initial assessment	[X] 4
	Summary documents	[]	Well data	[]
	Facility SOPs	ĪĪ	Construction data	ĪĪ
	OTHER	[]		· <del>-</del>

Question 4. Is there empirical, circumstantial, or other evidence of migration? If so, wh	≀hat is it?
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There is no evidence of migration at Site 007. Investigations reveal no visual evidence of hazardous constituents, disturbed, stained or discolored soil areas, or odors. The vegetation appears to be well established. Cultural Resources recorded this as a SHPO historic site containing artifacts from the 1930-1940 timeframe that pose no potential risk.

## Block 2 How reliable are the information sources? \_X. High \_\_Med \_\_Low (check one) Explain the reasoning behind this evaluation.

Visual site inspections and photographs of the site show that vegetation is well established, the artifacts are very old, domestic in nature and predate INEEL activities.

## Block 3 Has this information been confirmed? <u>X</u>Yes \_\_No (check one) If so, describe the confirmation.

This information was confirmed through site inspections, Cultural Resource historical research, and photographs.

	No available information	[]	Analytical data	[]
1	Anecdotal	[X] 2,5	Documentation about data	ij
	Historical process data		Disposal data	ĪĪ
	Current process data	ij	Q.A. data	[]
	Photographs	[X] 3	Safety analysis report	[]
	Engineering/site drawings	[]	D&D report	[]
	Unusual Occurrence Report	:[]	Initial assessment	[X] 4
	Summary documents	[]	Well data	[]
	Facility SOPs	Ü	Construction data	ĨĴ
	OTHER	71		<del>-</del>

Question 5. Does site operating or disposal historical information allow estimation of the pattern of
potential contamination? If the pattern is expected to be a scattering of hot spots, what is the
expected minimum size of a significant hot spot?

There is no expected pattern of potential contamination because there is no evidence of hazardous substances at the site. There is no evidence of stained or discolored soil in the area, odors or visual evidence of disturbed vegetation. Based on Cultural Resource interviews, there is no reason to suspect that hazardous constituents are present at this site.

Block 2 How reliable are the information sources? X High \_ Med \_Low (check one) Explain the reasoning behind this evaluation.

This information was obtained from a 1994 environmental baseline assessment and subsequent site investigations conducted by Cultural Resource personnel. Photographs show the nature of artifacts and present description of the site.

Block 3 Has this information been confirmed? XYes \_\_No (check one) If so, describe the confirmation.

This information was confirmed through site inspections, photographs and Cultural Resource historical findings.

No available information	[]	Analytical data	[]
Anecdotal	[X] 2,5	Documentation about data	Ü
Historical process data	[]	Disposal data	ij
Current process data	ĪĪ	Q.A. data	Ĩ
Photographs	[X] 3	Safety analysis report	[]
Engineering/site drawings	[]	D&D report	ĪĴ
Unusual Occurrence Repor	t[]	Initial assessment	[X] 4
Summary documents	[]	Well data	[]
Facility SOPs	[]	Construction data	[]
OTHER	[1]		- <del>-</del>

Question 6. Estimate the length, width, and depth of the contaminated region. What is the known or
estimated volume of the source? If this is an estimated volume, explain carefully how the estimate
was derived.

Site investigations and photographs indicate that the debris covers a 3 ft by 5 ft area. There is no evidence of a source at this site.

Block 2 How reliable are the information sources? X\_High \_\_\_ Med \_\_Low (check one) Explain the reasoning behind this evaluation.

This information was obtained from an environmental baseline assessment conducted in 1994, and subsequent site surveys conducted by Cultural Resources. The area was recorded as a potential state historical site and there is no evidence that the artifacts pose a potential risk. The artifacts are domestic in nature, estimated to be from 1930-1940 timeframe, and predate INEEL activities. Photographs taken during the survey show that the vegetation is well established and there is no evidence of stained or discolored soil.

Block 3 Has this INFORMATION been confirmed? X Yes \_\_No (check one) If so, describe the confirmation.

This information was confirmed through site inspections, interviews, photographs and INEEL Cultural Resource historical research.

No available information	[]	Analytical data	[]
Anecdotal	[X] 2,5	Documentation about data	[]
Historical process data	[]	Disposal data	[]
Current process data	[]	Q.A. data	[]
Photographs	[X] 3	Safety analysis report	[]
Engineering/site drawings	[]	D&D report	[]
Unusual Occurrence Repo	rt []	Initial assessment	[X] 4
Summary documents	[]	Well data	[]
Facility SOPs	ĪĪ	Construction data	[]
OTHER	[1]		

						nstituent at this
source?	f the quantity	/ is an estimate,	explain carefull	y how the es	timate was de	rived.

The estimated quantity of hazardous substances/constituents at this site is near zero because there is no evidence of any hazardous materials. The site consists of domestic debris abandoned by early homesteaders and travelers. As confirmed by Cultural Resources, the artifacts are very old and predate INEEL activities.

Block 2 How reliable are the information sources? <u>X</u>High <u>Med \_Low</u> (check one) Explain the reasoning behind this evaluation.

This information was obtained from an environmental baseline assessment, Cultural Resource Management investigations, and photographs. The site assessments revealed no visual evidence of hazardous constituents.

Block 3 Has this INFORMATION been confirmed? <u>X</u>Yes \_\_ No (check one) If so, describe the confirmation.

This information was confirmed through site inspections, photographs and historical research.

No available information	[]	Analytical data	[]
Anecdotal	[X] 2,5	Documentation about data	[]
Historical process data	וֹז ·	Disposal data	[]
Current process data	ii	Q.A. data	[]
Photographs	[X] 3	Safety analysis report	[]
Engineering/site drawings		D&D report	ij
Unusual Occurrence Repo		Initial assessment	[X] 4
Summary documents	ří	Well data	[]
Facility SOPs	ii	Construction data	ĪĪ
OTHER	ii	•	

Question 8. Is there evidence that this hazardous substance/constituent is present at the source as it exists today? If so, describe the evidence.

#### Block 1 Answer:

There is no evidence that a hazardous substance or constituent is present at levels that require action at this site. INEEL Cultural Resources personnel confirm that this is a historical site dating to the 1930-1940 timeframe. Artifacts are domestic in nature, very old and predate INEEL activities.

Block 2 How reliable are the information sources? <u>X.High\_Med\_Low</u> (check one) Explain the reasoning behind this evaluation.

This evaluation is based on interviews, site visitations and photographs of the area. The site shows no soil staining, and that vegetation present in and around the site appears to be well established. There is no evidence of hazardous constituents.

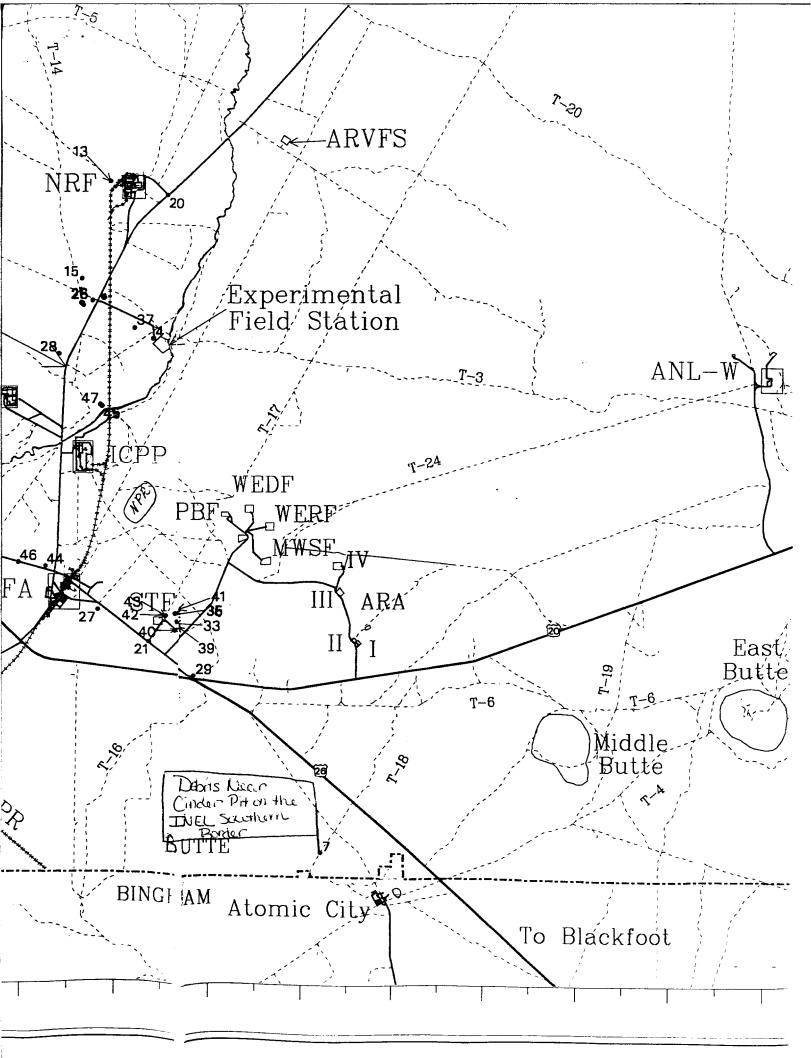
Block 3 Has this INFORMATION been confirmed? XYes \_No (check one) If so, describe the confirmation.

This information was confirmed through site inspections, Cultural Resource historical research, and photographs.

	No available information	<b>[</b> ]	Analytical data	[]
	Anecdotal	[X] 2,5	Documentation about data	ĨĨ
	Historical process data	[]	Disposal data	[]
I	Current process data	ĨĨ	Q.A. data	[]
	Photographs	[X] 3	Safety analysis report	ĪÌ
	Engineering/site drawings	[]	D&D report	[]
1	Unusual Occurrence Report	ŧ[]	Initial assessment	[X] 4
	Summary documents	[]	Well data	[]
	Facility SOPs	[]	Construction data	[]
	OTHER	[]		

#### **REFERENCES**

- 1. DOE, 1992, <u>Track 1 Sites: Guidance for Assessing Low Probability Sites at the INEL</u>, DOE/ID-10390 (92), Revision 1, U.S. Department of Energy, Idaho Falls, Idaho, July.
- 2. Interview with an Environmental Baseline Assessment team member, February 6, 2001.
- 3. Photographs of Site 007: PN99-0494-1-24, PN99-0494-1-22, PN99-0494-1-23
- 4. FY 1999 WAG 10 Newly Identified Sites, Volumes I and II.
- 5. Interviews with Brenda Ringe Pace, INEEL Cultural Resources Management, February 7 and May 16, 2001.



# Attachment A Photographs of Site #007



Site: 007, Debris Near Cinder Pit on the INEEL Southern Border (PN99-0494-1-22)



Site: 007, Debris Near Cinder Pit on the INEEL Southern Border (PN99-0494-1-23)



Site: 007, Debris Near Cinder Pit on the INEEL Southern Border (PN99-0494-1-24)

### **Attachment B**

**Supporting Information for Site #007** 

435.36 04/14/99 Rev. 03

#### **NEW SITE IDENTIFICATION**

Par	t A - To Be Completed By Observer						
1.	Person Initiating Report: Jacob Harris	Phone: 526-1877					
	Contractor WAG Manager: Douglas Burns	Phone: 526-4324					
2.	Site Title: 007, Debris Near Cinder Pit on the INEL Southern Border						
3.	Describe the conditions that indicate a possible inactive or unreported condition, amount or extent of condition and date observed. A locatio survey points or global positioning system descriptors shall be include names or location descriptors for the waste site.  A debris pile is located 15 feet to the north of Road T-18 approximatel	on map and/or diagram identifying the site against controlled and the site visit. Include any known common	d				
	site visit on July 1999, the surface debris observed included a pile (3 to coordinates of the site are E322142.939 by N652964.538. The refere summary map as provided.	ft by 5 ft) of rusted cans and a galvanized bucket. The GP	S				
Pa	t B – To Be Completed By Contractor WAG Manager						
4.							
4.	Recommendation:						
	This site meets the requirements for an inactive waste site, requires investigation, and should be included in the INEEL FFA/CO Action Plan. Proposed Operable Unit assignment is recommended to be included in the FFA/CO.  WAG:  Operable Unit:						
	This site DOES NOT meet the requirements for an inactive waste included in the INEEL FFA/CO Action Plan.	e site, DOES NOT require investigation and SHOULD NOT	be				
5.	Basis for the recommendation:						
	The conditions that exist at this site indicate the potential for an inactivor Disturbance of Suspected Inactive Waste Sites.	ve waste site according to Section 2 of MCP-3448 Reporting	ıg				
	The basis for recommendation must include: (1) source description; concern; and (4) descriptions of interfaces with other programs, as ap						
6.	Contractor WAG Manager Certification: I have examined the propose believe the information to be true, accurate, and complete. My recom	ed site and the information submitted in this document and imendation is indicated in Section 4 above.					
Nai	ne: Signature:	Date:					